United
**Technologies**

Climate | Controls | Security

# TVN-1104-KB2
## TVN 11 kit, 4-Ch. NVR w/4 2MPx (4mm) IR Bullet Cameras

## Overview

The TVN-1104-KB2 is a 4-channel video kit, that consists of one 4-channel network recorder (TVN-1104cS-1T) and four 2 MPx (4 mm) bullet cameras (TVB-5601).
The recorder has four built-in PoE ports for ease of installation.

For more information about the recorder and cameras, see the individual datasheets.

## Details

- Linux embedded recorder with Plug and Play configuration
- Recorder and cameras support H.264 and H.265
- Four Plug & Play PoE Ports (PoE-af & PoE-at support) with flexible budgetting
- Automatic setup of IP address, resolution & other settings through Plug&Play ports of the recorder
- Up to 40 Mbps camera recording bandwidth for maximum four IP cameras
- Recorder with 1 TB embedded storage
- Real time Full HD recording
- Motion detection, VCA, privacy masking and tamper detection in recorder
- TruVision IP camera auto-detection
- Integration in recorder of UTC IP intrusion panels via SIA/XSIA reporting
- Full browser-, OSD- and software-based access for live, recorded video & configuration
- Bullet cameras with a maximum resolution of 1920 x 1080
- Cameras: H.265 and/or H.264 compression with triple-streaming functionality
- Edge recording up to 128GB SDHC card in cameras
- Up to 30 m IR illumination
- Up to 120 dB Wide Dynamic Range
- Video intelligence in cameras: face detection, intrusion detection, cross line detection
- TVRMobile app for iOS and Android
- TruVision Navigator license-free client/host or standalone application
- External integration through SDK

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## Technical specifications

### Video/audio input

| | |
|---|---|
| Camera channels | 4 |
| IP camera channels | 4 |
| Camera bandwidth | 40 |
| Max. IP audio in | 4 |
| Max. analog audio In | 1 |
| Supported video compression standards | H.264, H.265 |
| Supported video streaming standards | Onvif, RTSP Custom Protocols |

### Local viewing

| | |
|---|---|
| HDMI output | 1 |
| HDMI version | 1.4, 2.0 |
| VGA output | 1 |
| Max. local output resolution | 4K |
| Synchronous playback OSD (channels) | Up to 4 channels (1080P) |
| Reverse playback OSD (channels) | Up to 1 channel |

### Remote viewing

| | |
|---|---|
| Total available viewing bandwidth | 80 |
| Max. live viewing streams | 128 streams |
| Max. playback viewing streams | 8 streams |
| Max. simultaneous playback web browser | TCP: Up to 8 ch; UDP: Up to 8 ch |
| Reverse playback web browser (channels) | TCP: Up to 8 ch; UDP: Up to 8 ch |
| Software compatibility | Advisor Manager, OnGuard, TruVision Navigator, TVRmobile |
| Browser compatibility | Internet Explorer |

### Storage

| | |
|---|---|
| Storage capacity | 1 TB |
| Maximum recording resolution | 4 K |
| Recording modes | Alarm, Event, Manual, Time-lapse high, Time-lapse low |
| Hard drive redundancy | No |
| Hard drive grouping | No |
| Hot swappable HDDs | No |
| SAS extension | No |
| Flip-open front panel | No |
| Auto archiving | No |
| Hot spare recorder | No |
| Edge failover recording | No |

### Networking

| | |
|---|---|
| Network interface cards (NIC) | 1 |
| NIC type | RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface |
| PoE ports | 4 |
| Total PoE budget | 50 |
| PoE standards supported | PoE-af, PoE-at |
| Plug & Play PoE support | Yes |
| Flexible PoE allocation | Yes |
| DNS support | DDNS, ezDDNS, No-IP |
| HTTPS support | Yes |

### External interfaces

| | |
|---|---|
| USB interface back | 1 |
| USB interface front | 1 |
| Alarm inputs | 4 |
| Alarm outputs | 1 |
| Max. analog audio outputs | 1 |

### General

| | |
|---|---|
| Operating system | Embedded Linux |
| Rack mountable | No |
| Rack stacking size | 1 U |

### Electrical

| | |
|---|---|
| Operating voltage | 48 VDC |
| Power supply type | 48 VDC |
| Power consumption without HDD  (W) | ≤ 65 W |

### Physical

| | |
|---|---|
| Physical dimensions | 315 x 242 x 45 mm |
| Net weight | 1.3 kg |
| Colour | Black |

### Environmental

| | |
|---|---|
| Operating temperature | -10 to +55 °C |
| Relative humidity | 10 to 90% noncondensing |

### Standards & regulation

| | |
|---|---|
| Compliancy | CE, REACH, RoHS, UL |

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